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## Barry Mumm

		EAST SEARCH	8/17/05
<b>L</b> #	Hits	Search String	Databases
S1	1043	designer near2 product\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	134	(designer near2 product\$1) with (planning or manufactur\$3 or custmiz\$3 or customization or cc US-PGPUB; USPAT;	EPO; JPO; DERWENT;
S3	56	(((office or modular) near2 furniture) or furniture or (cubical near2 wall\$1)or shelving) with man. US-PGPUB; USPAT;	EPO; JPO;
S4	159	S2 or S3	EPO; JPO; DERWENT; I
S5	39236	(internet or (computer near2 network\$1) or website\$1) with client\$1	DERWENT;
Se	7	S4 and S5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	32	S4 and (CAD or "compter aided design")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	148	wing\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
68	33	S7 and S8	EPO; JPO; DERWENT;
S10	16	S4 and ((CAD or "compter aided design") with drawing\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S11	2	S4 and ((CAD or "compter aided design") with database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S12	2	S4 and (drawing\$1 with database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S13	548	S5 and (CAD or "compter aided design")	USPAT; EPO; JPO; DERWENT; I
S14	151	S5 and ((CAD or "compter aided design") with drawing\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S15	106	S5 and ((CAD or "compter aided design") with database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S16	20	S14 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S17	7	S4 and (workstation\$1 with (configuration or size or quantity or orientation))	EPO; JPO; DERWENT;
S18	142	S4 and (configuration or size or quantity or orientation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S19	80	S4 and (download\$4 with file)	USPAT; EPO; JPO; DERWENT;
S20	-	S4 and (display\$3 with (file near2 type\$1))	USPAT; EPO; JPO; DERWENT; IBM_
S21	199	S5 and (display\$3 with (file near2 type\$1))	USPAT; EPO; JPO; DERWENT;
S22	0	S16 and S21	USPAT; EPO; JPO; DERWENT;
S23	7	S13 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S24	78	S13 and (((two or three) near2 dimensional near2 drawing\$1) or (GIZA near2 drawing) or "star US-PGPUB;	USPAT; EPO; JPO; DERWENT;
S25	13	S4 and ((fabric near2 grade) or ((storage or support) near2 (component\$1 or module\$1)) or (o US-PGPUB;	USPAT; EPO; JPO; DERWENT;
S26	œ	S4 and ((online or on-line) with order\$1)	USPAT; EPO; JPO; DERWENT;
S27	18	S4 and (graphical with "user interface")	EPO; JPO; DERWENT;
S28	134	(designer near2 product\$1) with (planning or manufactur\$3 or custmiz\$3 or customization or cr US-PGPUB;	USPAT; EPO; JPO; DERWENT;
S29	<b>5</b> 8	(((office or modular) near2 furniture) or furniture or (cubical near2 wall\$1)or shelving) with man US-PGPUB;	USPAT; EPO; JPO; DERWENT;
S30	159		USPAT; EPO; JPO; DERWENT;
S31	39236	(internet or (computer near2 network\$1) or website\$1) with client\$1	USPAT; EPO; JPO; DERWENT;
S32	21	S30 and S31	JS-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S33	32	S30 and (CAD or "compter aided design")	JS-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S34	148	S30 and drawing\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S35	33	S33 and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S36	91	S30 and ((CAD or "compter aided design") with drawing\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM, TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	JPO; DERWENT; IBM		USPAT, EPO, JPO, DERWENT, IBM	JPO; DERWENT:	USPAT; EPO, JPO; DERWENT;	JPO; DERWENT; IBM	DERWENT; IBM	USPAT; EPO; JPO; DERWENT; IBM	USPAT; EPO; JPO;	USPAT;	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	o US-PGPUB; USPAT; EPO; JPO; DERWENT;	USPAT; EPO; JPO;	USPAT; EPO; JPO; DERWENT;	USPAT; EPO; JPO;	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ion or crUS-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	EPO; JPO;	EPO; JPO; DERWENT; IBM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	EPO; JPO; DERWENT; IBM	_	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	EPO; JPO; DERWENT;	EPO; JPO; DERWENT; I	EPO; JPO; DERWENT;	JPO; DERWENT;	USPAT; EPO; JPO; DERWENT;	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT, EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	JPO; DERWENT; I	US-PGPUB; USPAT; EPO; JPO; DERWENT; I	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	JPO.	JPO; DERWENT; IBM
S30 and ((CAD or "compter aided design") with database)		8 S31 and (CAD or "compter aided design")	S31 and ((CAD or "compter aided	S31		S30 and (workstation\$1 with (configuration or size or quantity or orientation))	S30 and (download\$4 with file)		S39 and S45	S39 and (((two or three) near2 dimensional near2 drawing\$1) or (GIZA near2 drawing) or "star US-PGPUB;		-						5 S51 or S54	(designer near2 product\$1) with (pla		S56 or S57	36 (internet or (computer near2 network\$1) or website\$1) with client\$1			S58 and drawing\$1									S58 and (workstation\$1 with (configuration or size or quantity or orientation))		S59 and (display\$3 with (file near2 type\$1))	S67 and S73	S67 and (((two or three) near2 dimensional near2 drawing\$1) or (GIZA near2 drawing) or "star			S62 or S68 or S69 or S80 or S73	3 S79 and S81
ა	ა	548	151	106	20	7	∞	199	7	78	13	∞	18	196	142	551	158	196	134	56	159	39236	21	32	148	33	16	2	2	548	151	106	20	7	∞	199	7	78	80	18	551	158
S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S <sub>20</sub>	S51	S52	S53	S54	S55	S56	S57	S58	S 2 3	Se0	S61	S62	S63	S64	S65	S66	267	S68	8e9	S70	S71	S72	S73	S74	S75	S77	878	S81	S82

S79	196	S57 or S60 or S61 or S63 or S64 or S65 or S66 or S70 or S71 or S72 or S74 or S75 or S76	S65 or S66 or S70 or S71 or S72 or S74 or S75 or S76 o US-PGPUB: USPAT: EPO: JPO: DERWENT: IBM TDB
S84	166	designer adj product\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S85	28	S84 and (CAD or "compter aided design")	US-PGPUB: USPAT: EPO: JPO: DERWENT: IBM_TDB
S80	142	S58 and (configuration or size or quantity or orientation)	US-PGPUB: USPAT: EPO: JPO: DERWENT: IBM_TDB
S86	_	S67 and ((GIZA near2 drawing) or "standard interface file")	US-PGPUB, USPAT, EPO, JPO, DERWENT, IBM_TDB
287	က	S59 and ((GIZA near2 drawing) or "standard interface file")	US-PGPUB, USPAT, EPO, JPO, DERWENT, IBM_TDB
S88	ည	(GIZA near2 drawing) or "standard interface file"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S89	7	5,870,697.pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S76	13	S58 and ((fabric near2 grade) or ((storage or support) near2 (component\$1 or module\$1)) or (US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB
S83	196	S79 or S82	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
10/005501		Barry Mumm	

## **EAST SEARCH**

8/17/05

Document Kind Codes Title		Issue Date Current OR	Abstract
US 20050049883 A1	Facilitating the design specification and ordering from a manufacturer of a particular display pro	20050303 705/1	
US 20050034062 A1		20050210 715/512	
US 20050010475 A1	Internet-based brand management and marketing communication instrumentation network for	20050113 705/14	
US 20050004838 A1	Internet-based brand management and marketing commuication instrumentation network for d	20050106 705/14	
US 20040268283 A1	Method for creating, modifying, and simulating electrical circuits over the internet	20041230 716/11	
US 20040243483 A1		20041202 705/27	
US 20040243265 A1	Method of producing a wood finish at a location remote from where the wood finish is designed	20041202 700/98	
US 20040236547 A1	System and method for automated placement or configuration of equipment for obtaining desir	20041125 703/2	
US 20040236540 A1	CAD system utilizing network	20041125 703/1	
US 20040233461 A1	Methods and apparatus for measuring orientation and distance	20041125 356/620	
US 20040225972 A1	Automation of the development, testing, and release of a flow framework and methodology to	20041111 716/4	
US 20040225968 A1	Method and apparatus for providing access to and working with architectural drawings on the ir	20041111 715/778	
US 20040225958 A1	Automatic transfer and expansion of application-specific data for display at a website	20041111 715/513	
US 20040210479 A1	Internet-based brand marketing communication instrumentation network for deploying, installing	20041021 705/14	
US 20040190374 A1	Earth penetrating apparatus and method employing radar imaging and rate sensing	20040930 367/14	
US 20040189700 A1	Method and system for maintaining persistance of graphical markups in a collaborative graphic	20040930 715/751	
US 20040143428 A1	System and method for automated placement or configuration of equipment for obtaining desir	20040722 703/22	
US 20040138905 A1	Method and system for presenting custom-labeled surface material samples over a computer I	20040715 705/1	
US 20040138775 A1	Product design system and method	20040715 700/182	•
US 20040133596 A1	Environment information simulation system, device, and method, and recorded medium	20040708 707/104.1	
US 20040128626 A1	Placement of configurable input/output buffer structures during design of integrated circuits	20040701 716/1	
US 20040128120 A1	Simulation method and apparatus for use in enterprise controls	20040701 703/26	
US 20040113945 A1	Graphical user interface and method for interfacing with a configuration system for highly config	20040617 715/765	
US 20040107125 A1	Business alliance identification in a web architecture	20040603 705/7	
115 20040103003 41	Similarity coarch of three-dimensional model using two dimensional impact or secret trave	מילטל לרשמאסטר	

20040098731 20040098391 20040078280 20040075684 20040073404 20040073404 20040073404 20040037540 20030229478 20030229478 20030112203 20030112613 20030112613 20030112613 20030112613 200301126139 20030112613 20030112613 20030139840 20030139840 20030139840 20030139840 20030139840 20030139840 20030139840 20030139840 20030139840 20030189949 20030085915 200300885915 20030078859	Native code exposing virtual machine managed object Method and system for facilitating electronic circuit and chip design using remotely located resc System and method for enabling supplier manufacturing integration Business-to-business information exchange system System, method and computer program product for constructing and managing CAD data in c. Mechanical-electrical template based method and apparatus Intelligent business system cache manager Associating audio and image data Furniture with molded frame Business asset management system using virtual areas Method and apparatus emulating read only memories with combinatorial logic networks, and rr Method and system for displaying network performance, cost, maintenance, and infrastructure Web-enabled system and method for designing and manufacturing optical code reading system Diagnostics method and apparatus for use with enterprise controls Method and system for designing configurable furniture product Consolidated component catalog Risk management information interface system and associated methods Apparatus, system and method for design support Interactive system and method for design support Interactive system and method for design support Method and system for catalog Commodity design creating and processing system Commodity design creating and processing system Commodity design creating and processing system Method of generating CAD files and adelivering CAD files to customers Website, method and system for customizing designer products Implementation of security barriers in a usage based licensing server data structure Process in a usage based licensing server to convert metric data in data structure Frocess in a usage based licensing server to convert metric data in data structure Method and apparatus for interactive online modelling and evaluation of a product Method and apparatus for interactive online modelling and evaluation of a product Method and apparatus for interactive convert method or apparatus for interactive uniteractive sign and and app	20040520 719/328 20040520 707/10 20040422 705/26 20040422 715/744 20040415 702/183 20040415 702/183 20040226 386/96 20040226 386/96 20040122 705/1 20031211 703/13 20031211 703/13 2003121 705/27 20030828 715/743 20030828 715/743 20030828 715/743 20030821 715/804 20030821 715/73 20030612 700/98 20030612 700/98 20030612 700/98 20030612 700/98 20030612 700/98 20030612 700/98 20030614 705/27 20030424 705/27 20030424 705/27
US 20030067487 A1 US 20030061478 A1 US 20030050850 A1 US 20030050726 A1 US 20030023412 A1 US 20030014228 A1 US 20030009392 A1 US 20030009315 A1 US 20020198791 A1 US 20020194274 A1	Intelligent constraint definitions for assembly part mating Methods for intersystem communication and program for computers and interface modules Payment trigger Nurbs based CNC machine process using boolean substraction Process & transformation private exchange Method and system for modeling and managing terrain, buildings, and infrastructure Computer-aided product design system Internet-based consumer product brand marketing communication system which enables man System for creating measured drawings Method and system for implementing a preferred parts plan over a communications network Internet-based consumer product brand marketing communication system which enables man System, method and article of manufacture for a communication manager in an integrated sch Method and apparatus for intelligent data assimilation	20030410 715/764 20030327 713/150 20030313 705/26 20030220 705/26 20030130 703/1 2 20030116 703/2 20030109 705/26 20030109 705/26 20030102 700/106 20021226 705/26 20021229 705/26

US 20020194081 A1 US 20020190989 A1	Internet-based consumer service brand marketing communication system which enables servic Program and apparatus for displaying graphical objects	200213
US 20020165891 A1	System, method and article of manufacture for a resource and contact manager in an integrate	20021
US 20020165723 A1	System, method and article of manufacture for managing a construction process	20021
US 20020151783 A1 US 20020156757 A1	System, method and article of manufacture for a reports manager in an integrated scheduling : Electronic product design system	20021
US 20020143594 A1	System, method and article of manufacture for alerting a manager of a critical outstanding task	20021
US 20020138391 A1	System, method and article of manufacture for a bid manager in an integrated scheduling and	20020
US 20020138238 A1	Computer-aided product design system	20020
US 20020138170 A1	System, method and article of manufacture for automated fit and size predictions	20020
US 20020133390 A1	System, method and article of manufacture for a document manager in an integrated schedulir	20020
US 20020130903 A1	System, method and article of manufacture for a graphical sender interface for use in an integr	20020
US 20020128889 A1	System, method and article of manufacture for a pro-active manager in an integrated schedulir	20020
US 20020128810 A1	Systems and methods for simulation, analysis and design of automated assembly systems	20020
US 20020128744 A1	Injection mold design system and injection mold design method	20020
US 20020124028 A1	System, method and article of manufacture for scheduling and document management integra	20020
US 20020120921 A1	SIMULATION METHOD AND APPARATUS FOR USE IN ENTERPRISE CONTROLS	20020
US 20020120480 A1	System, method and article of manufacture for a project task manager in an integrated schedu	20020
US 20020111928 A1	System for processing document production orders over computer network	20020
US 20020102420 A1	MAGNETIC SUSCEPTIBLE MARKERBOARD	200208
US 20020087440 A1	Method for reconstructing and validating a bill of materials and creating a comprehensive bill of	20020
US 20020083168 A1	Integrated monitoring system	200206
US 20020077939 A1	Item specification object management system	200206
US 20020073114 A1	Business asset management system	200206
US 20020070932 A1	Universal three-dimensional graphics viewer for resource constrained mobile computers	200206
US 20020065721 A1	System and method for recommending a wireless product to a user	20020
US 20020065638 A1	Methods and apparatus for generating drawings from computer generated models	20020
US 20020052807 A1	Network architecture-based design-to-order system and method	20020
US 20020049786 A1	Collaboration framework	20020
US 20020035451 A1	Spatail data enabled engineering, construction, and operations computer-aided design (CAD) r	200203
US 20020035408 A1	System and process for client-driven automated computer-aided drafting	200203
US 20020032552 A1	Computer aided design system and three-dimensional design method using the same and stor	200203
US 20020030689 A1	Methods, systems and computer program products for generating storyboards of interior desig	200203
US 20020026385 A1	System and methods for generating an electronic purchase order for a part using a display of c	200202
US 20020016725 A1	Systems and methods for the collaborative design, construction, and maintenance of fluid proc	200202

219 345/440 1107 718/100

031 707/200

1107 705/1

926 700/130

1926 705/37

1926 703/1

003 705/8

1024 707/1

919 715/752

919 705/9

912 700/200 905 715/530 3829 717/140

912 703/17

912 705/8

801 428/463

1829 705/7

1815 707/1

627 709/224

620 705/29

704 705/29

1613 715/500 613 345/419

530 705/14

530 703/7

1425 715/511

321 703/1

502 705/27

314 345/588 20011227 702/188 20020124 715/764 20020131 345/677 20020117 175/26 20020117 705/51 321 700/97 228 705/27 20020131 700/97 314 703/6 705/7 20011129 703/1 20011101 703/1 Underground boring machine employing solid-state inertial navigation control system and meth System for controlling remote integrated circuit and method for operating the same System and method for take-off of materials using two-dimensional CAD interface Internet based design/drafting system and method of use thereof

Remote monitoring diagnostic system and method thereof

CAD system which designs 3-D models

System and method for performing engineering design

Internet database

US 20020005297 A1 US 20010056335 A1

US 20020007348 A1

JS 20010037190 A1

JS 20010047251 A1

US 20020013634 A1 US 20020012007 A1 US:20020008719 A1

20011011 707/200 20050301 702/183 20050208 702/188 20050201 716/1 20050125 707/101 20041123 716/9	20040518 715/733 20040518 715/733 20040413 705/1 20040413 175/24 20040309 297/452.65	20040210 707/102 20040203 700/95 20031216 700/130. 20031216 345/582 20031118 700/107 20031111 700/97 20030923 707/104.1	20030923 707/104.1 20030909 717/135 20030902 709/200 20030715 716/1 20030610 716/1 20030429 702/183	20030401 235/462.01 20030325 707/104.1 20030318 717/151 20030304 716/4 20030211 705/14 20021126 717/105 20021105 403/381	20021029 709/223 20021022 428/460 20020618 700/97 20020514 703/14 20020514 700/98 20011204 703/2 20011113 175/45 20010731 700/83
System, method, and program product for administrating document file in computerized networn Diagnostics method and apparatus for use with enterprise controls Remote monitoring diagnostic system and method thereof Automated method and system for selecting and procuring electronic components used in circu Method and apparatus for intelligent data assimilation Placement of configurable input/output buffer structures during design of integrated circuits	Method and system for maintaining persistance of graphical markups in a collaborative graphic System, method, and program product for administrating document file in computerized networ Business alliance identification in a web architecture framework Underground boring machine employing navigation sensor and adjustable steering Furniture with molded frame	Storage and retrieval of process capability and guidance information, and computer media ther Consolidated component catalog System, method and article of manufacture for automated fit and size predictions Methods, systems and computer program products for coordinating patterns of interior design Method and system for implementing a preferred parts plan over a communications network Product design system and method Electronic taxonomy for construction product information Method and annarative for material requirements planning	Method and apparatus for the first of the fi	Web-enabled system and method for designing and manufacturing bar code scanners Stand alone data management system for facilitating sheet metal part production Identification of redundancies and omissions among components of a web based architecture Client-server simulator, such as an electrical circuit simulator provided by a web server over the Dynamic customer profile management Software development system that presents a logical view of project components, facilitates th Horizontal directional drilling machine and method employing configurable tracking system inter	System for establishing plan to test components of web based framework by displaying pictoric Magnetic susceptible markerboard Computer aided design system and three-dimensional design method using the same and stor Converification system and method Remote manufacture of furniture covers Injection mold design system and injection mold design method Horizontal directional drilling machine employing inertial navigation control system and method Data structure for use in enterprise controls Flexible nosing system
US 20010029510 A1 US 6862553 B2 US 6853959 B2 US 6851094 B1 US 6847974 B2 US 6823502 B2	6738076 6728733 6721713 6719069 6702391	US 6691127 B1 US 6687557 B2 US 6665577 B2 US 6664972 B2 US 6650954 B2 US 6647305 B1 US 6625619 B1	6618856 6618643 6615166 6594799 6578174 6556950	6540140 6539399 6536037 6530065 6519571 6487713 6484818	US 64/3/94 B1 US 6468666 B2 US 6408217 B1 US 6389379 B1 US 6387553 B1 US 6315062 B1 US 6214436 B1

20010220 703/2 20010206 235/462.01 20001226 707/102 20001212 700/86 20001205 700/79 20000822 707/102	20000215 428/99 20000104 715/733 19991228 257/685 19991207 345/420 19980518 345/420 19980922 700/97 19980908 707/102 19980818 297/440 14	19971028 297/440.14 19971021 248/251 19960723 703/14 19951107 702/83 19950822 345/634 19950124 715/810 19940308 715/841 19930216 228/135 19920811 257/692	
Injection mold design system and injection mold design method Web-enabled system and method for designing and manufacturing laser scanners System, method and article of manufacture for building an enterprise-wide data model System, method and article of manufacture for utilizing external models for enterprise wide con System, method and article of manufacture for displaying an animated, realtime updated contribystem method and article of manufacture for integrated enterprise-wide control Flexible nosing system	Flexible nosing system  System for delivering and simultaneously displaying primary and secondary information, and fo Packaging for semiconductor logic devices Packaging for semiconductor logic devices Fly-through computer aided design method and apparatus Method of and apparatus for generating assembly view Object oriented database management system Injection mold design system and injection mold design method Method and system of managing construction-related information and production-related inform Modular chair and method Method for distributed task fulfillment of web browser requests	Modular furniture with polystyrene core Flush-mount support bracket Method for manufacturing test simulation in electronic circuit design Automated process planning for quality control inspection Apparatus and method for improved placement of objects in computer aided drafting Method and apparatus for facilitating operator reconfiguration of a graphical user interface in a Design tool and method for preparing parametric assemblies Method of making patio chairs with metal slats Packaging for semiconductor logic devices Conceptual design tool	
US 6192327 B1 US 6182897 B1 US 6167406 A US 6161051 A US 6157864 A US 6108662 A US 6055718 A	US 6025047 A US 6011537 A US RE36469 E US 5999187 A US 5905501 A US 5838965 A US 5812402 A US 5806069 A US 5795028 A	US 5681090 A US 5678797 A US 5539652 A US 5444836 A US 5384910 A US 5293479 A US 5186382 A US 5186382 A US 5186382 A	US 4875162 A US 4862376 A US 4798506 A US 4117929 A US 3914914 A US 3694828 A JP 2004272327 A JP 2004086264 A JP 20030085915 A US 20030085915 A US 20020035408 A WO 200123998 A